

III.A.4.N.a. Lowland microphyllous evergreen shrubland

III.A.4.N.a.4. ARTEMISIA FILIFOLIA SHRUBLAND ALLIANCE

Sand Sagebrush Shrubland Alliance

ARTEMISIA FILIFOLIA COLORADO PLATEAU SHRUBLAND

Sand Sagebrush Colorado Plateau Shrubland

ELEMENT CONCEPT

GLOBAL SUMMARY: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

ENVIRONMENTAL DESCRIPTION

USFWS Wetland System: Not Applicable

Zion National Park Environment: This association occurs on floodplain terraces and alluvial fans with extremely sandy soils. Slopes are flat to moderately steep with southeastern to southwestern aspects.

Global Environment: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

VEGETATION DESCRIPTION

Zion National Park Vegetation: This association is dominated by *Artemisia filifolia* with foliar cover ranging from 20-50%. *Psoralea argemonea* is present at some sites. *Sporobolus cryptandrus* and *Pleuraphis jamesii* occur in shrub interspaces averaging 10% cover. Other minimal herbaceous cover includes species adapted to dry sandy sites and often the invasive exotic *Bromus tectorum*.

Global Vegetation: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

Global Dynamics: Information not available.

MOST ABUNDANT SPECIES

Zion National Park

| <u>Stratum</u> | <u>Species</u> |
|----------------|--|
| TALL SHRUB | <i>Artemisia filifolia</i> |
| GRAMINOID | <i>Bromus tectorum</i> , <i>Sporobolus cryptandrus</i> |

Global

| <u>Stratum</u> | <u>Species</u> |
|----------------------------|----------------|
| Information not available. | |

CHARACTERISTIC SPECIES

Zion National Park

| <u>Stratum</u> | <u>Species</u> |
|----------------|-------------------------------|
| TALL SHRUB | <i>Artemisia filifolia</i> |
| GRAMINOID | <i>Sporobolus cryptandrus</i> |

Global

| <u>Stratum</u> | <u>Species</u> |
|----------------------------|----------------|
| Information not available. | |

GLOBAL SIMILAR ASSOCIATIONS:

Information not available.

GLOBAL STATUS AND CLASSIFICATION COMMENTS

Global Conservation Status Rank: G?.

Global Comments: Information not available.

ELEMENT DISTRIBUTION

Zion National Park Range: This association occurs only in the southernmost region of the park in the North and East Fork of the Virgin River corridors.

Global Range: This association has currently only been described from Zion NP in southwestern Utah.

Nations: US

States/Provinces: UT

ELEMENT SOURCES

Zion National Park Inventory Notes: Plots: RH41, 150, 508, 512, 518

Classification Confidence: 2 **Identifier:** CEGl002697

REFERENCES: None available.